CLAIMS:

1. A non-T cell binding peptide and analogues thereof which bind to the target sequences having the consensus sequence of QK/RRAA (i.e. Gln -Lys/Arg -Arg -Ala -Ala)

2. A non-T cell binding peptide which is selected from the group consisting of the following sequences:
FKGEAGPKGE (SEQ ID NO: 1)
FKGEQAPKGE (SEQ ID NO: 2)
FKGEQGAKGE (SEQ ID NO: 3)
FKGEQGPAGE (SEQ ID NO: 4)
FKGEQGAAGE (SEQ ID NO: 5)
FKGEQAGAGE (SEQ ID NO: 6)
FKGEGAGAGE (SEQ ID NO: 7).

3. A pharmaceutical composition comprising the non-T cell binding peptide(s) and analogues thereof according to claim 1, and pharmaceutically accepted carriers and adjuvants.

4. The use of the non-T cell binding peptide(s) and analogues thereof according to claim 1 in the preparation of a medicament for the treatment of rheumatoid arthritis.

5. The use of the non-T cell binding peptide(s) and analogues thereof according to claim 1 in the treatment of rheumatoid arthritis.

6. Administering the non-T cell binding peptide(s) and analogues thereof according to claim 1 to the patients with rheumatoid arthritis.

7. A pharmaceutical composition comprising the non-T cell binding peptide(s) according to claim 2, and pharmaceutically accepted carriers and adjuvants.

8. The use of the non-T cell binding peptide(s) according to claim 2 in the preparation of a medicament for the treatment of rheumatoid arthritis.

9. The use of the non-T cell binding peptide(s) according to claim 2 in the treatment of rheumatoid arthritis.

10. Administering the non-T cell binding peptide(s) according to claim 2 to the patients with rheumatoid arthritis.